

ABSTRACT OF THE DISCLOSURE

A polygon mirror scanner is disclosed, comprising a rotor having a rotating shaft, a polygon mirror having a regular prism and having a mirror surface on each side thereof, and a magnet; a bearing device, rotatably bearing the rotor, having a radial bearing, a thrust bearing, and a stator yoke; and a stator having a coil facing the magnet with a predetermined distance therebetween, wherein the radial bearing and the thrust bearing are exchangeable at the end of their useful life while maintaining a desired level of high precision and tolerances for proper and efficient operation of the polygon mirror scanner.

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